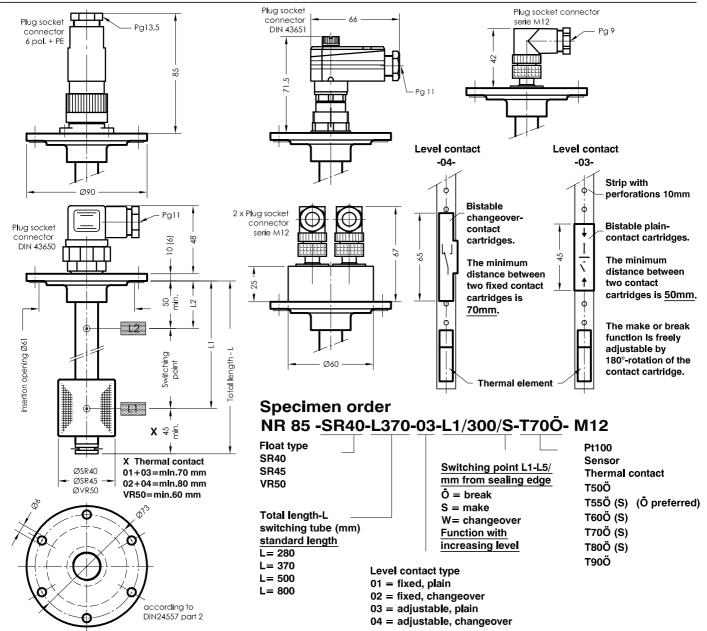
Level regulator for tank insert

serial No. Date **IN-GB- 108 03/10**



Description

The level regulator type NR 85 for tank insert is a solenoid switch operating without contact with the function of monitoring and regulating liquid levels and temperatures.

The switching tube contains bistable protective gas contacts. They may be fixed or alternatively mounted as an adjustable contact cartridge on a perforated strip. For fixed contacts, the contact intervals and their functions must be given. Plain contact cartridges can be subsequently adjusted for height. The function of make or break can then be altered by turning the cartridge through 180° degrees.

The permanent magnet built into the float switches the contacts when the level changes. The switching difference (hysteresis) is 4 mm. For temperature monitoring and regulation, thermal elements such as Pt100, Sensors and thermal contacts can be additionally incorporated. The level controller is maintenance - free when nondeposit media are

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For inductive loads, a protective circuit must be provided (free-wheeling

diode/RC element).

The device must only be installed by specialists.

Can also be supplied in stainless steel on request.

Technical data

Switching tube

SCHÖLLERSHEIDER STR. 15

P.O.BOX 10 02 17

Brass, Ø 18 / Ø 20, max.L = 2000mm Connection flange Al (10), PA (6), with flat seal Nominal pressure 1 bar max., float hard-PU SR40 / SR45 10 bar max., float stainless steel VR50 Temperature of medium 100°C max. Level contacts bistable make/break/changeover optional fixed or adjustable Plug socket connector DIN 43650 or DIN 43651 or 6 pol.+ PE IP65 or serie M12 IP68 **Switching current** Contact type 01+03 0,5A max. Contact type 02+04 1A max. Switching potential Contact type 01+03 10 W/VA max. 230V AC max. Contact type 02+04 60 W/VA max. 250V AC/DC max. Thermal elements Pt100, sensor, thermal contact Thermal contact Hysteresis 1K Calibration + 3°C **Number of functions** max. 5 can be incorporated Mounting position vertical ± 30° *Thermal contact Sheet TR-GB-507

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Brass, Ø 16 max.L = 1000mm

